

Application Number 10/534344
Response to the Office Action dated April 30, 2008

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A method for deuteration of a heterocyclic ring, which comprises subjecting a compound having a heterocyclic ring to a sealed refluxing state in a deuterated solvent in the presence of an activated catalyst selected from a palladium catalyst, a platinum catalyst, a rhodium catalyst, a ruthenium catalyst, a nickel catalyst and a cobalt catalyst.
2. (Canceled)
3. (Currently Amended) The method for deuteration according to claim 21, wherein the activated palladium catalyst is an activated palladium carbon.
4. (Currently Amended) The method for deuteration according to claim 1, wherein the activated palladium catalyst selected from a palladium catalyst, a platinum catalyst, a rhodium catalyst, a ruthenium catalyst, a nickel catalyst and a cobalt catalyst is one activated with hydrogen gas or heavy hydrogen gas present in a deuteration reaction system.
5. (Currently Amended) The method for deuteration according to ~~of~~ claim 1 ~~[[4]]~~, wherein the deuterated solvent is heavy water (D₂O).
6. (Currently Amended) The method for deuteration according to ~~of~~ claim 1, wherein the heterocyclic ring of the compound having a heterocyclic ring is a 3 to 20 membered ring.